

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Approved Materials Procedure
for

SPLICING DEVICES FOR REBAR

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Subsection 806.06, Supplemental Specifications and Special Provisions.

APPROVED MATERIAL EVALUATION SUBMITTAL:

The manufacturer shall submit a completed Approved Materials Evaluation Submittal to the DOTD Materials and Testing Section Coordinator listed below.

PRELIMINARY REQUIREMENTS:

The complete submittal must include:

- Complete Approved Materials Evaluation Form
- Letter requesting evaluation of the material or system
- Product Data Sheets
- Safety Data Sheet (SDS)
- Manufacturer's specifications
- Independent Laboratory Test Results
- Sample

NOTE: Evaluation will not begin until all required items listed above are received by the Materials Laboratory

Certifications and/or Test Reports

The manufacturer shall provide a Certificate of Analysis (CA) reporting actual test results of the system's performance characteristics and properties.

Sample (to be furnished at no cost to the Department)

The manufacturer shall provide a demonstration of the splicing system to the Materials and Testing Section Coordinator or their representative. Three (3) completed and assembled splices shall be submitted for each bar size for which qualification is sought. In addition, two (2) systems with component parts unspliced or unassembled shall be furnished to the Materials and Testing Section for evaluation.

TEST REQUIREMENTS:

Laboratory Testing

- Visual Inspection – Visual inspection shall consist of determining whether the manufacturer's procedure was followed to produce a satisfactory splice system.
- Physical Testing – The completed splice system shall meet 125% of the specified minimum yield strength of the rebar in axial tension when tested in accordance with ASTM A615.
- Chemical Analysis – The individual components of the system shall be subjected to chemical analysis. The chemical analysis shall meet the requirements for the grade of steel specified in the manufacturer's system literature.

Evaluation Time (3 Month)

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the material or system will or will not be added to the Approved Materials List (AML). The DOTD Materials and Testing Section Coordinator shall be notified in writing of any change from the original material or system submittal. The Department reserves the right to re-evaluate any system or individual material at any time. A Certificate of Analysis (CA) of the material or system shall be submitted every two (2) years to the DOTD Materials and Testing Section to remain on the AML.

It is also the manufacturer's responsibility to supply the contact information of the representative responsible for the material to the Materials Section Coordinator to remain on the AML. This is done by completing the Approved Materials Evaluation Form every two (2) years or when there is a change in the manufacturing representative responsible for the material.

PROJECT ACCEPTANCE REQUIREMENTS:

The inclusion of any material or system on the AML is not blanket approval for its use. All materials, regardless of prior approval, shall be sampled in accordance to the Materials Sampling Manual.

DISQUALIFICATION AND REMOVAL:

Any material may be removed from the AML at any time. Causes for removal from the AML may include, but are not limited to the following:

- Non-conformance with specifications
- Performance requirements
- Failure to notify the Department of any change in material formulation
- Failure of the supplier to provide proper certifications as required by this procedure
- Failing test results obtained by the Materials Section of project verification samples
- Failure to supply current contact information for the material representative in accordance with this procedure

REQUALIFICATION:

Any material or system which has been disqualified and/or removed from the AML will be considered for re-evaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification and/or removal have been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR:

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Approved 05/24/17



BRIAN OWENS, P.E.
DOTD MATERIALS ENGINEER ADMINISTRATOR